SEQUENCE LISTING

```
<110> Horne, William A.
        Oltersdorf, Tilman
   <120> HUMAN BAD POLYPEPTIDES, ENCODING NUCLEIC
     ACIDS AND METHODS OF USE
   <130> 480140.428D3
   <140> 2001-08-03
   <160> 15
   <170> FastSEQ for Windows Version 4.0
   <210> 1
   <211> 946
   <212> DNA
   <213> Homo sapiens
ĩIJ
   <400> 1
   gggcctaggg cgccgggtca ggggcctcga gatcgggctt gggcccagag catgttccag
                                                                            60
IJ
   atcccagagt ttgagccgag tgagcaggaa gactccagct ctgcagagag gggcctgggc
                                                                           120
   cccagccccg caggggacgg gccctcaggc tccggcaagc atcatcgcca ggccccaggc
-_[
                                                                           180
   ctcctgtggg acgccagtca ccagcaggag cagccaacca gcagcagcca tcatggaggc
                                                                           240
   getggggetg tggagatecg gagtegeeac ageteetace eegeggggae ggaggaegae
                                                                           300
   gaagggatgg gggaggagcc cagccccttt cggggccgct cgcgctcggc gccccccaac
                                                                           360
   ctctgggcag cacagcgcta tggccgcgag ctccggagga tgagtgacga gtttgtggac
                                                                           420
   teetttaaga agggaettee tegecegaag agegegggea cageaacgea gatgeggeaa
                                                                           480
   agetecaget ggaegegagt ettecagtee tggtgggate ggaacttggg cagggggaage
                                                                           540
   tecgececet eccagtgace tteggtecae atecegaaat ceaecegtte ceattgeeet
                                                                           600
   gggcagccat tttgaatatg ggaggaagta agttccctca ggcctatgca aaaagaggat
                                                                           660
   cegtgctgta tcctttggag ggagggttga cccagattec cttccggtgt gtgtgaagcc
                                                                           720
    acggaaggtt ggtcccatcg gaagttttgg gttttccgcc cacagccgcc ggaagtggct
                                                                           780
    ccgtggcccc gccctcaggt tccggggttt cccccaggcg cctgcgctaa gtagcgagcc
                                                                           840
    aggtttaacc gttgtgtcac cgggacccga gcccccgcga tgccctgggg gccgtgatca
                                                                           900
                                                                           946
    gtaccaaatg ttaataaagc ccgcgtgtgt gccaaaaaa aaaaaa
    <210> 2
    <211> 168
    <212> PRT
    <213> Homo sapiens
    <400> 2
    Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ser Ser
    Ser Ala Glu Arg Gly Leu Gly Pro Ser Pro Ala Gly Asp Gly Pro Ser
```

25

Gly Ser Gly Lys His His Arg Gln Ala Pro Gly Leu Leu Trp Asp Ala 40 Ser His Gln Glu Gln Pro Thr Ser Ser His His Gly Gly Ala

20

Ф

TU

2

```
50
Gly Ala Val Glu Ile Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr
                                        75
                    70
Glu Asp Asp Glu Gly Met Gly Glu Glu Pro Ser Pro Phe Arg Gly Arg
                                    90
Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala Gln Arg Tyr Gly Arg
                               105
            100
Glu Leu Arg Arg Met Ser Asp Glu Phe Val Asp Ser Phe Lys Lys Gly
                                                125
                            120
Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln Met Arg Gln Ser
                                            140
                        135
Ser Ser Trp Thr Arg Val Phe Gln Ser Trp Trp Asp Arg Asn Leu Gly
                                        155
                   150
Arg Gly Ser Ser Ala Pro Ser Gln
                165
<210> 3
<211> 204
<212> PRT
<213> Mus musculus
<400> 3
Met Gly Thr Pro Lys Gln Pro Ser Leu Ala Pro Ala His Ala Leu Gly
                                     10
Leu Arg Lys Ser Asp Pro Gly Ile Arg Ser Leu Gly Ser Asp Ala Gly
                                 25
Gly Arg Arg Trp Arg Pro Ala Ala Gln Ser Met Phe Gln Ile Pro Glu
                             40
Phe Glu Pro Ser Glu Gln Glu Asp Ala Ser Ala Thr Asp Arg Gly Leu
                         55
Gly Pro Ser Leu Thr Glu Asp Gln Pro Gly Pro Tyr Leu Ala Pro Gly
                    70
 Leu Leu Gly Ser Asn Ile His Gln Gln Gly Arg Ala Ala Thr Asn Ser
                                     90
                 85
 His His Gly Gly Ala Gly Ala Met Glu Thr Arg Ser Arg His Ser Ser
                                                     110
                                 105
 Tyr Pro Ala Gly Thr Glu Glu Asp Glu Gly Met Glu Glu Glu Leu Ser
                             120
        115
 Pro Phe Arg Gly Arg Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala
                                             140
                         135
 Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Thr Asp Glu Phe Glu Gly
                                         155
                     150
 Ser Phe Lys Gly Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln
                                     170
                 165
 Met Arg Gln Ser Ala Gly Trp Thr Arg Ile Ile Gln Ser Trp Trp Asp
                                 185
 Arg Asn Leu Gly Lys Gly Gly Ser Thr Pro Ser Gln
                              200
 <210> 4
 <211> 33
 <212> DNA
```

FL!

a

<213> Artificial Sequence

	<220> <223> PCR primer	
	<400> 4 atcagtgaat tcactatgtt ccagatccca gac	33
	<210> 5 <211> 33 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
	<400> 5 atcgatctcg agtcactggg agggggggg gct	33
	<210> 6 <211> 35 <212> DNA <213> Artificial Sequence	
AU AU	<220> <223> PCR primer	
*.j	<400> 6 atcagtgaat tcactatggc ttcggggcaa ggccc	35
	<210> 7 <211> 35 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
	<400> 7 atcgatctcg agtcagttca ggatgggacc attgc	35
	<210> 8 <211> 33 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
	<400> 8 atcagtgaat tcactatgga cgggtccggg gag	33
	<210> 9 <211> 36 <212> DNA <213> Artificial Sequence	

.

	<220> <223> PCR primer	
	<400> 9 tacagtctcg agtcaggtca cggtctgcca cgtggg	36
	<210> 10 <211> 29 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
	<400> 10 gggaattcca tatgttccag atcccagag	29
	<210> 11 <211> 33 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
T. CO e	<400> 11 tacagtctcg agtcactggg aggggggga gct	33
	<210> 12 <211> 30 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
	<400> 12 agtatcgaat tcatgtctca gagcaaccgg	30
	<210> 13 <211> 33 <212> DNA <213> Artificial Sequence	
	<220> <223> PCR primer	
	<400> 13 attgatgaat tcgttgaagc gttcctggcc ctt	33
	<210> 14 <211> 33 <212> DNA	

<213> Artificial Sequence	
<220> <223> PCR primer	
<400> 14 atcagtctcg agactatgga cgggtccggg gag	33
<210> 15 <211> 33 <212> DNA <213> Artificial Sequence	
<220> <223> PCR primer	
<400> 15 tacgatgaat tcggtcacgg tctgccacgt ggg	33

DSGEEZZE OSCIL